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Paige E. Snyder

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Thakker et al.

Examiner: Unassigned

Serial No.: To Be Assigned

Group Art Unit: Unassigned

Filed: Herewith

Docket No.: 421/15/2

For: METHOD OF SCREENING CANDIDATE COMPOUNDS FOR SUSCEPTIBILITY TO OXIDATIVE METABOLISM

PRELIMINARY AMENDMENT

Commissioner for Patents
BOX PATENT APPLICATION
Washington, D.C. 20231

Sir:

AMENDMENTS

Please amend the subject U.S. Continuation Patent Application as follows:

IN THE SPECIFICATION:

Please add the following paragraph beginning at page 1, line 4:

a1

--This application is a continuation of co-pending U.S. patent application serial no. 09/205,762 filed December 4, 1998 herein incorporated by reference.--

IN THE CLAIMS:

Please amend the claims as follows:

Please cancel claims 2-6 and 12-20.

a2

1. (Amended) A method of screening a candidate compound for susceptibility to metabolism by a selected enzyme, the method comprising the steps of:

- (a) reacting the candidate compound, an indicator compound precursor and the selected enzyme, the enzyme characterized as having a side reaction associated with metabolic activity of the enzyme wherein a chemical species capable of reacting with the indicator compound precursor is produced, wherein the selected enzyme is xanthine oxidase; and
- (b) detecting an indicator compound, the indicator compound produced from the indicator compound precursor by reaction with the chemical species